

INTERNATIONAL SEARCH REPORT

International Application No
PCT/DK2004/000117

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12Q1/68 C12N15/10 C12P1/00 C07B61/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12Q C12N C12P C07B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, MEDLINE, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/103008 A (GOUILAEV ALEX HAAHR ; NOERREGAARD-MADSEN MADS (DK); SLOEK FRANK ABILGA) 27 December 2002 (2002-12-27)	1-31, 34-43, 46, 48-66, 69-75
Y	the whole document	32,33, 44,45, 47,67,68
X	----- WO 02/074929 A (KANAN MATTHEW W; GARTNER ZEV J ; LIU DAVID R (US); HARVARD COLLEGE (US)) 26 September 2002 (2002-09-26)	1-30, 34-43, 47-66, 69,72-75
Y	page 1 – page 81; claims 1-46; figures 1,3,5,11	31-33, 44-46, 67,68, 70,71
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

13 August 2004

Date of mailing of the international search report

19/08/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GARTNER Z J ET AL: "Multistep small-molecule synthesis programmed by DNA templates" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 124, no. 35, 4 September 2002 (2002-09-04), pages 10304-10306, XP002265219 ISSN: 0002-7863 the whole document -----	1-75
X	WO 00/23458 A (UNIV LELAND STANFORD JUNIOR) 27 April 2000 (2000-04-27) the whole document -----	1-75
Y	WO 93/20242 A (BRENNER SYDNEY ; SCRIPPS RESEARCH INST (US); JANDA KIM (US); LERNER RI) 14 October 1993 (1993-10-14) the whole document -----	1-75
Y	CALDERONE C T ET AL: "Directing otherwise incompatible reactions in a single solution by using DNA-templated organic synthesis" ANGEWANDTE CHEMIE, VCH VERLAGSGESELLSCHAFT, WEINHEIM, DE, vol. 41, no. 21, November 2002 (2002-11), pages 4104-4108, XP002282854 ISSN: 0044-8249 the whole document -----	1-75
Y	SUMMERER D ET AL: "DNA-templated synthesis: more versatile than expected" ANGEWANDTE CHEMIE, WILEY-VCH, WEINHEIM, DE, vol. 41, no. 1, 4 January 2002 (2002-01-04), pages 89-90, XP002265218 ISSN: 1433-7851 the whole document -----	1-75
P, X	WO 2004/013070 A (NUEVOLUTION AS ; PEDERSEN HENRIK (DK)) 12 February 2004 (2004-02-12) the whole document -----	1-75

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/DK2004/000117

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 02103008	A	27-12-2002		CA 2451524 A1 WO 02103008 A2 WO 02102820 A1 EP 1402024 A2 EP 1401850 A1 US 2003143561 A1 US 2004049008 A1 WO 03078625 A2 WO 03078445 A2 WO 03078626 A2 WO 03078050 A2 WO 03078446 A2 WO 03078627 A2	27-12-2002 27-12-2002 27-12-2002 31-03-2004 31-03-2004 31-07-2003 11-03-2004 25-09-2003 25-09-2003 25-09-2003 25-09-2003 25-09-2003
WO 02074929	A	26-09-2002		US 2003113738 A1 CA 2441820 A1 EP 1423400 A2 WO 02074929 A2	19-06-2003 26-09-2002 02-06-2004 26-09-2002
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WO 9320242	A	14-10-1993		US 5573905 A AT 193561 T AU 685050 B2 AU 3944993 A CA 2132103 A1 DE 69328781 D1 DE 69328781 T2 DK 643778 T3 EP 0643778 A1 ES 2147197 T3 JP 7505530 T US 6060596 A WO 9320242 A1 US 5723598 A	12-11-1996 15-06-2000 15-01-1998 08-11-1993 14-10-1993 06-07-2000 26-04-2001 07-08-2000 22-03-1995 01-09-2000 22-06-1995 09-05-2000 14-10-1993 03-03-1998
WO 2004013070	A	12-02-2004		WO 2004013070 A2	12-02-2004

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Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
 - a. type of material
 - a sequence listing
 - table(s) related to the sequence listing
 - b. format of material
 - in written format
 - in computer readable form
 - c. time of filing/furnishing
 - contained in the International application as filed
 - filed together with the International application in computer readable form
 - furnished subsequently to this Authority for the purpose of search
2. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments: